

ABSTRACT OF THE DISCLOSURE

A method for dry detection/quantification of targeted nucleotide chains, comprising the steps of:

- (1) realizing a state in which a hybrid (C) of a certain amount of targeted nucleotide chain (A), which is derived from a sample solution and subjected to detection or quantification, and a probe nucleotide chain (B), which has a base sequence complementary to a specific site of the base sequence of the targeted nucleotide chain, is formed on a solid-phase substrate by mutually reacting the two types of nucleotide chains with each other, and in which there exists a fluorescence dye (D), which acts on the hybrid (C), thereby emits fluorescence or increases its fluorescence intensity, and is capable of continuing to emit fluorescence even in the dried state while acting on the hybrid;
- (2) drying the hybrid (C) and the fluorescence dye (D) on the substrate; and
- (3) measuring the fluorescence emitted from the fluorescence dye (D), as a measuring means, after the drying operation.

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